

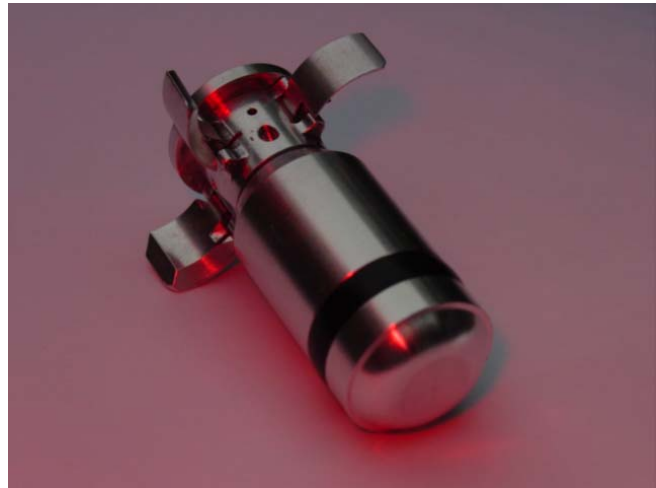
12 Gauge HE Cartridge

Purpose: To examine the cartridge and ascertain its potential as an enhancement for close combat missions, particularly combat in urban terrain.

Background: The cartridge is a private development that has completed several years of engineering and testing. The objective of this design is to provide Marines armed with a standard shotgun the capability of defeating reinforced targets, materiel targets, protected targets and other targets requiring a high explosive or armor-piercing warhead.

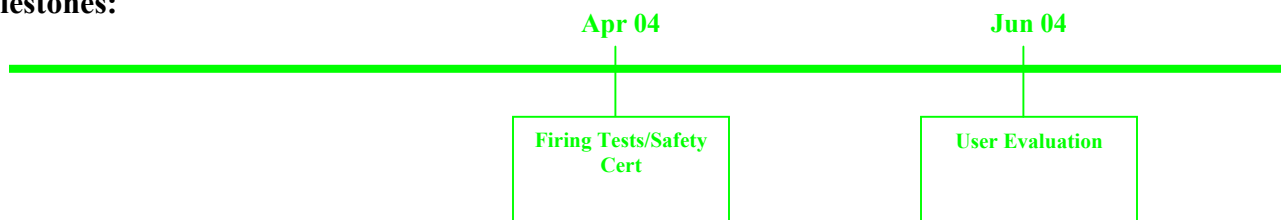
Description: The FRAG-12 cartridge is an experimental 12 gauge high explosive projectile with blast and fragmenting effects and with the HE-AP projectile, a shaped charge penetrator.

The FRAG-12 is designed to have two types of effects: high explosive fragmentary and high explosive shaped charge. With the HE fragmentation warhead, it is designed to have blast and fragmentation out to a 2 meter casualty radius and with the shaped charge, it is advertised to be able to penetrate 4 inches of aluminum armor and over 1 inch of steel. Both cartridges are said to have a 200m effective range. These cartridges will be tested to evaluate their performance and their application to existing and emerging requirements.



Deliverable Product(s): The test data and any remaining cartridges and equipment will be transferred to MARCORSYSCOM for their use.

Milestones:



- ° Develop test and safety plans
- ° First 100 rounds of ammunition acquired
- ° Firing tests in progress
- ° Analyze data for potential combat effectiveness/investigate potential requirement

Action Officer: 784-3425